

Neue Litteratur.*)

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Mueller, Ferdinand, Baron von, Descriptions of new Australian plants, with occasional other annotations. [Continued.] (From the Victorian Naturalist. 1895. September.)

Psoralea Walkingtoni.

Shrubby, erect, glabrous; leaves conspicuously petiolated, mostly trifoliate; leaflets large, narrow-lanceolar, entire; flowers very large, on rather short peduncles; bracts small, as broad as long, acuminate; pedicels of very considerable length; calyx divided to the middle into deltoid-semilanceolar lobes; petals pale-lilac and partly white, all very much longer than broad, the two lateral petals somewhat shorter than the others; nine of the stamens high-connate; fruit much surpassed by the calyx, obliqueovate, compressed, glandular-dotted.

Near Frew-Creek; W. B. Walkington.

Branchlets slightly streaked. Petioles to $1\frac{1}{2}$ inches long, rachis to 1 inch. Leaflets to 5 inches long, to $\frac{2}{3}$ -inch broad, pale-green on the underside and also on the surface, minutely and copiously dotted, faintly venulated, on very short stalklets. Racemes to 3 inches long and remarkably broad. Pedicels $\frac{1}{8}$ — $\frac{1}{2}$ -inch long. Bracts about $\frac{1}{8}$ -inch long. Calyx measuring about $\frac{1}{3}$ -inch in length. Petals to fully 1 inch long; the two lowest white except near the summit, producing a singular contrast in the colouration of the whole flower. Style as long as the stamens. Fruit about $\frac{1}{6}$ -inch long.

A highly ornamental plant, in its affinity nearest to *P. leucantha*, but with very much larger flowers, in which respect it surpasses all its numerous congeners.

Mueller, Ferdinand, Baron von, Description of two hitherto unknown plants from Western Australia. (From the Chemist and Druggist of Australasia. Vol. X. 1895. No. 10. p. 207. October.)

Trianthemum Cussackiana.

Nearly glabrous; branchlets compressed; leaves exactly linear, somewhat succulent, slightly channelled; flowers comparatively large, two or few together in each axil, on short pedicels or almost sessile; lobes of the calyx distinctly longer than the tube, narrowly semilanceolar and additionally pointed; stamens usually ten, about as long as the calyx; lower part of the filaments adnate; anthers and inner side of calyx-lobes almost violet; style one, conspicuous; ovary one-celled; ovules few; fruit roundish-blunt, somewhat longer than broad.

In the vicinity of the Harding-River; W. H. Cussack. A probably prostrate plant; leaves attaining a length of $1\frac{1}{2}$ inches, but hardly ever more than one-tenth of an inch broad, at the petiolar base membranously dilated and anteriorly bidenticulate at the upper end hardly acute, but minutely mucronulate; calyx measuring about $\frac{1}{8}$ inch in length; fruit evidently of thin texture, towards its base transversely dehiscent, but not obtained in a ripe state.

This species is clearly allied to *T. oxycalyptra*, but the extreme narrowness of the leaves give it at once a different aspect. The ripe fruits of both yet need comparison. The foliage offers some approach to *T. crystallyna*, a plant otherwise, especially in floral structure and carpologic characteristics, widely different.

Statice Macphersoni.

Spikes elongated, rather straight; rachis imperfectly beset with very short hairlets; flowers small, crowded, turned variously; tube of the calyx hardly as long as the lobes, bearing outside spreading hairlets, prominently

fivestreaked; lobes transparent, in their lower part almost deltoid, thence gradually and conspicuously setaceous-capillary; corolla glabrous, about as long as the calyx, its lobes rather longer than the tube, semieliptic, upwards somewhat lilac-coloured, but soon pallescent; anthers about thrice longer than broad, their cells towards the base secedent; styles capillary, longitudinally stigmatose; ovary nearly conical-ellipsoid, glabrous. Towards Coolgardie; Wm. A. Macpherson, Esq.

This species is descriptively established from a flower-spike solely — an unusual procedure — but admissible in the present instance, when the generic position of the plant can be clearly made out, and when the floral characteristics show great specific diversity from those of the two only other congeners hitherto known as indigenous to Australia, thus the calyx-lobes reminding of those of a *Calycothrix*.

Mueller, Ferdinand, Baron von, Description of an unrecorded *Eucalyptus* from South-Eastern Australia. (Print from the Australasian Journal of Pharmacy. 1895. October.)

Eucalyptus Bosistoana.

Finally tall; branchlets slender, at first angular; leaves on rather short petioles, almost chartaceous, mostly narrow or elongate-lanceolar, somewhat falcate, very copiously dotted with translucent oil glandules, generally dull-green on both sides, their lateral venules distant, much divergent, the peripheric venule distinctly distant from the edge of the leaf, all faint; leaves of young seedlings roundish or ovate, scattered, stalked; umbels few-flowered, either axillar-solidary or racemosely arranged; peduncles nearly as long as the umbels or oftener variously shorter, slightly or sometimes broadly compressed; pedicels usually much shorter, rather thick and angular; tube of the calyx turbinate-semiovate, slightly angular; lid fully as long as the tube, semiovate-hemispheric, often distinctly pointed; stamens all fertile, the inner filaments abruptly inflected before expansion; anthers very small, cordate or ovate-roundish, opening by longitudinal slits; style short; stigma somewhat dilated; fruit comparatively small, nearly semiovate, its rim narrow, its valves 5—6 or rarely 4, deltoid, totally enclosed, but sometimes reaching to the rim; sterile seeds very numerous, narrow or short; fertile seeds few, ovate, compressed, slightly pointed.

In swampy localities at Cabramatta and in some other places of the County of Cumberland and also in the County of Camden (Rev. Dr. Woolls); near Mount Dromedary (Miss Bate); near Twofold Bay (L. Morton); near the Genoa (Barnard); on the summit of the Tantawango-Mountains and also near the Mitchell-River (Howitt); between the Tambo and Nicholson Rivers (Schlipalinius); near the Strelzecki-Ranges (Olson). The „Wul-Wul“ of the aborigines of the County of Dampier, the „Darjan“ of the aborigines of Gippsland. Called locally by the colonists of New South Wales „Ironbark-Boxtree“, and in some places also „Grey Boxtree“, which appellations indicate the nature of the wood and bark, though the latter may largely be shedding.

As richly oil-yielding and also as exuding much kino, this tree is especially appropriate to connect therewith the name of Joseph Bosisto, Esq., C.M.G., who investigated many of the products of the *Eucalypts*, and gave them industrial and commercial dimensions.

This species in its systematic affinities is variously connected with *E. odorata*, *E. siderophloia*, *E. hemiphloia* and *E. drepanophylla*. A fuller account of this valuable tree will early be given.

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Van Tieghem, Ph., Sur le groupement des espèces en genres dans la tribu des Elytranthées de la famille des Loranthacées. (Bulletin de la Société botanique de France. T. XLII. 1895. p. 433—460.)

Van Tieghem, Ph., Sur le groupement des espèces en genres dans la tribu des Guadendrées (Loranthacées). (Bulletin de la Société botanique de France. T. XLII. 1895. p. 455.)

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Corrigendum.

- Im Botanischen Centralblatt, Bd. LXIV:
- p. 111, Zeile 16 v. u. entspricht statt entsprosst.
p. 111, Zeile 10 v. u. Dies statt Drei.
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